Refereed Publications∗,†,‡ denotes undergraduate, graduate, high school teacher

“Radial Star Formation Histories in 32 Nearby Galaxies”

“Candidate LBV stars in galaxy NGC 7793 found via HST photometry + MUSE spectroscopy”

“Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies”

“Deep Transfer Learning for Star Cluster Classification: I. Application to the PHANGS-HST Survey”

“LEGUS and Hα-LEGUS Observations of Star Clusters in NGC 4449: Improved Ages and the Fraction of Light in Clusters as a Function of Age”

“Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: The KING-FISH Sample”

“The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk”

“Spatial Segregation of Massive Clusters in Dwarf Galaxies”

“SOFIA/HAWC+ Traces the Magnetic Fields in NGC 1068”

“Star Formation Histories of the LEGUS Dwarf Galaxies. III. The Nonbursty Nature of 23 Star-forming Dwarf Galaxies”

“[C I](1–0) and [C I](2–1) in Resolved Local Galaxies”


“The WISE Extended Source Catalog (WXSC). I. The 100 Largest Galaxies”

“Using C[II] 158μm Emission from Isolated ISM Phases as a Star-formation Rate Indicator”

“Hα Morphologies of Star Clusters: A LEGUS study of HII region evolution timescales and stochasticity in low mass clusters”

“Mapping Electron Temperature Variations across a Spiral Arm in NGC 1672”
   “An ALMA/HST Study of Millimeter Dust Emission and Star Clusters”

   “The Far-infrared Polarization Spectrum of Rho Ophiuchi A from HAWC+/SOFIA Observations”

   “Census of the Local Universe (CLU) Narrowband Survey. I. Galaxy Catalogs from Preliminary Fields”

   “The Extended Disc Galaxy Exploration Science Survey: description and surface brightness profile properties”

   “Star Formation Histories of the LEGUS Spiral Galaxies. I. The Flocculent Spiral NGC 7793”

   “Star cluster catalogues for the LEGUS dwarf galaxies”

   “HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1”

183. Dale, D., Sutter, J.†, & Kloster, D.† 2019, The Physics Teacher, 57, 547
   “Asking Real-World Questions with Inquiry-Based Labs”

   “The spatial relation between young star clusters and molecular clouds in M51 with LEGUS”

   “A transmission spectrum of HD 189733b from multiple broad-band filter observations”

   “Comprehensive comparison of models for spectral energy distributions from 0.1 um to 1 mm of nearby star-forming galaxies”

   “Connecting Young Star Clusters to CO Molecular Gas in NGC 7793 with ALMA-LEGUS”

   “A Comparison of Young Star Properties with Local Galactic Environment for LEGUS/LITTLE THINGS Dwarf Irregular Galaxies”

   “Baryonic distributions in galaxy dark matter haloes - II. Final results”

   “Search For Star Cluster Age Gradients Across Spiral Arms of Three LEGUS Disk Galaxies”

   “Star Formation Histories of the LEGUS Dwarf Galaxies. II. Spatially Resolved Star Formation History of the Magellanic Irregular NGC 4449”
“The young star cluster population of M51 with LEGUS - II. Testing environmental dependencies”

“The Resolved Stellar Populations in the LEGUS Galaxies”

“Star Formation Histories of the LEGUS Dwarf Galaxies. I. Recent History of NGC 1705, NGC 4449, and Holmberg II”

“Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS”

“After the Fall: The Dust and Gas in E+A Post-starburst Galaxies”

“A Study of Two Dwarf Irregular Galaxies with Asymmetrical Star Formation Distributions”

“The young star cluster population of M51 with LEGUS - I. A comprehensive study of cluster formation and evolution”


“Calibrating Star Formation in WISE Using Total Infrared Luminosity”

“Exploring the IMF of star clusters: a joint SLUG and LEGUS effort”

“A Controlled Study of Cold Dust Content in Galaxies from $z = 0$–2”

“Hierarchical Star Formation in Turbulent Media: Evidence from Young Star Clusters”

“The Origin of [C ii] 157 03bcm Emission in a Five-component Interstellar Medium: The Case of NGC 3184 and NGC 628”


“Effective Radii of Young, Massive Star Clusters in Two LEGUS Galaxies”

“The Hierarchical Distribution of the Young Stellar Clusters in Six Local Star-forming Galaxies”

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<tr>
<td>143</td>
<td>Calzetti, D. et al.</td>
<td>2015</td>
<td>Astrophysical Journal</td>
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<td>75</td>
<td>“The Brightest Young Star Clusters in NGC 5253”</td>
</tr>
</tbody>
</table>
“Cool dust heating and temperature mixing in nearby star-forming galaxies”

139. van der Laan, T. et al. 2015, *Astronomy & Astrophysics*, 575, 83  
“Heating and cooling of the neutral ISM in the NGC 4736 circumnuclear ring”

“[C II] 158 mum Emission as a Star Formation Tracer”

137. de los Reyes, M.† et al. 2015, *Astronomical Journal*, 149, 79  
The Relationship between Stellar Mass, Gas Metallicity, and Star Formation Rate for Halpha-Selected Galaxies at $z \sim 0.8$ from the NewHalpha Survey

“Dust Continuum Emission as a Tracer of Gas Mass in Galaxies”

“Spitzer Local Volume Legacy (LVL) SEDs and Physical Properties”

“Empirical ugri-UBVRc Tranformations for Galaxies”

The Spitzer Local Volume Legacy (LVL) Global Optical Photometry”

“Toward Complete Statistics of Massive Binary Stars: Penultimate Results from the Cygnus OB2 Radial Velocity Survey”

“A Far-IR View of the Starburst-Driven Superwind in NGC 2146”

“Untangling the Nature of Spatial Variations of Cold Dust Properties in Star Forming Galaxies”

“New Insights on the Formation and Assembly of M83 from Deep Near-infrared Imaging”

“Dissecting the origin of the submillimetre emission in nearby galaxies with Herschel and LABOCA”

“A Two-Parameter Model for the Infrared/Submillimeter/Radio Spectral Energy Distributions of Galaxies and AGN”

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   “Towards A Removal of Temperature Dependencies from Abundance Determinations: NGC 628”

   “The Nature of the Second Parameter in the IRX-β Relation for Local Galaxies”

   “The CO-to-H₂ Conversion Factor and Dust-to-Gas Ratio on Kiloparsec Scales in Nearby Galaxies”

   “Mapping Dust Through Emission and Absorption in Nearby Galaxies”

   “Measuring Galaxy Star Formation Rates from Integrated Photometry: Insights from Color-Magnitude Diagrams of Resolved Stars”

   “Mid-Infrared Spectral Properties of Post-Starburst Quasars”

117. Li, Y.† et al. 2013, Astrophysical Journal, 768, 180
   “Star Formation Rates in Resolved Galaxies: Calibrations with Near- and Far-Infrared Data for NGC 5055 and NGC 6946”

   “Calibration of the Total Infrared Luminosity of Nearby Galaxies from Spitzer and Herschel Bands”

   “A Detailed Study of the Radio-FIR Correlation in NGC 6946 with Herschel-PACS/SPIRE from KINGFISH”

   “A Synthesis of the Cosmic Infrared and X-ray Backgrounds: Constraints on Cosmic Co-Evolution of Black Hole Growth and Dusty Star Formation Rate”

   “Nebular Attenuation in Hα-selected Star-forming Galaxies from the NewHα Survey”

   “Mapping the Cold Dust Temperatures and Masses of Nearby KINGFISH Galaxies with Herschel”

   “Cool Dust in the Outer Ring of NGC 1291”

   “Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: NGC 0628 and NGC 6946”

   “Direct Oxygen Abundances for Low Luminosity LVL Galaxies”

   “A Dual Narrowband Survey for Hα Emitters at z = 2.2: Demonstration of the Technique and Constraints on the Hα Luminosity Function”
   “Quantifying the Cluster Formation Efficiency of Nearby Dwarf Galaxies”

   “Heating and Cooling of the ISM in NGC 1097 with Herschel PACS and Spitzer IRS”

   “Resolving the FIR Line Deficit: Photoelectric Heating and Far-IR Line Cooling in NGC 1097 and NGC 4559”

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   “Modeling the Effects of Star Formation Histories on Hα and Ultraviolet Fluxes in Nearby Dwarf Galaxies”


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   “Dust and Stellar Emission of Nearby Galaxies in the KINGFISH Herschel Survey”

   “Calibrating Extinction-Free Star Formation Rate Diagnostics with Ka-Band (26-40 GHz) Radio Emission in NGC 6946”

   “The Mid-IR Luminosity Function at z<0.3 from 5MUSES: Understanding the Star-formation/AGN Balance from a Spectroscopic View”

   “The Star Formation Rate Distribution Function of the Local Universe”

   “The Evolution of Stellar Populations in the Outer Disks of Spiral Galaxies”

   “Cold Dust in the Tidal HI Arms of the M 81 Triplet”

   “The Hα Luminosity Function and Star-Formation Rate Volume Density at z=0.8 from the NEWFIRM Hα Survey”
“Fitting the Integrated Spectral Energy Distributions of Galaxies”

“Spitzer 70 μm Emission as a Star Formation Rate Indicator for Sub-Galactic Regions”

“Infrared Luminosities and Aromatic Features in the 24μm Flux-Limited Sample of 5MUSES”

“Optical Spectroscopy and Nebular Oxygen Abundances of the Spitzer/SINGS Galaxies”

“The Wyoming Survey for Hα. III. A Multi-Wavelength Look at Extinction by Dust in Galaxies out to z ∼ 0.4”

“Far-Infrared Line Imaging of the Starburst Ring in NGC 1097 with the Herschel/PACS Spectrometer”

“Mapping Far-Infrared Emission from the Central Kiloparsec of NGC 1097”

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“An Aromatic Feature Emission Inventory of the Local Volume”

“The Calibration of Monochromatic Far-Infrared Star Formation Rate Indicators”

“The Wyoming Survey for Hα. II. Hα Luminosity Functions at z ∼ 0.16, 0.24, 0.32, and 0.40”

“Total Infrared Luminosity Estimation of Resolved and Unresolved Galaxies”

“Star-Forming or Starbursting: The Ultraviolet Comundrum”

“Comparison of Hα and UV Star Formation Rates in the Local Volume: Systematic Discrepancies for Dwarf Galaxies”

“A Spitzer Unbiased, Ultradeep Spectroscopic Survey”

“Radial Distribution of Stars, Gas, and Dust in SINGS Galaxies. I. Surface Photometry and Morphology”

“Extinction-Corrected Star Formation Rates of Galaxies. I. Combinations of Hα and Infrared Tracers”
“The Spitzer Local Volume Legacy: Survey Description and Infrared Photometry”

“Radial Distribution of Stars, Gas, and Dust in SINGS Galaxies. II. Derived Dust Properties”

“The Spitzer Infrared Nearby Galaxies Survey: A High-Resolution Spectroscopy Anthology”

“The Relation Between 8, 24, and 160µm Dust Emission Within Nearby Spiral Galaxies”

“A Compendium of Far-Infrared Line and Continuum Emission for 227 Galaxies Observed by the Infrared Space Observatory”

“The Wyoming Survey for Hα. I. Initial Results at z ∼ 0.16 and 0.24”

“Warm Molecular Gas in M51: Mapping the Excitation Temperature and Mass of H2 with the Spitzer Infrared Spectrograph”

“Ultraviolet and Infrared Diagnostics of Star Formation and Dust in NGC 7331”

“Star Formation in NGC5194 (M51a). II. The Spatially-Resolved Star Formation Law”

“Scaling Relations of Spiral Galaxies”

“Spectral Mapping Reconstruction of Extended Sources”

“Warm Molecular Hydrogen in the Spitzer SINGS Galaxy Sample”

“The Incidence of Highly-Obscured Star-Forming Regions in SINGS Galaxies”

“Variations in the 24µm Morphologies Among Galaxies in SINGS: New Insights into the Hubble Sequence”

“Gaps in the Cloud Cover? Comparing Extinction Measures in Spiral Disks”

“The Calibration of Mid-Infrared Star Formation Rate Indicators”

“Dust Masses, PAH Abundances, and Starlight Intensities in the SINGS Galaxy Sample”
“Dust and Atomic Gas in Dwarf Irregular Galaxies of the M 81 Group: The SINGS and THINGS View”

“The Mid-Infrared Spectrum of Star-Forming Galaxies: Global Properties of PAH Emission”


“The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 As Revealed by Spitzer”

“The Radial Distribution of the ISM in Disk Galaxies: Evidence for Secular Evolution”

“The Spectral Energy Distribution of Dust Emission in the Edge-On Spiral Galaxy NGC 4631 as Seen with Spitzer and JCMT”

“The Effect of Star Formation Activity on the Far-Infrared-Radio Correlation Within Nearby Galaxies”

“Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M 81 (NGC 3031)”

“The Opaque Nascent Starburst in NGC 1377: Spitzer SINGS Observations”

“Mid-Infrared Spectral Diagnostics of Nuclear and Extra-Nuclear Regions in Nearby Galaxies”

“Spitzer and JCMT Observations of the Active Galactic Nucleus in the Sombrero Galaxy (NGC 4594)”

“Warm Dust and Variable PAH Emission in the Dwarf Starburst Galaxy NGC 1705”

“Extended Mid-Infrared Aromatic Feature Emission in M 82”

“Shrinking of Cluster Ellipticals: A Tidal Stripping Explanation and Implications for the Intracluster Light”

“An Initial Look at the Far-Infrared-Radio Correlation within Nearby Star-Forming Galaxies Using Spitzer”
“Star Formation in NGC 5194 (M51a): The Panchromatic View from GALEX to Spitzer”

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“Spitzer Observations of the Supergiant Shell Region in IC 2574”

“Metallicity Effects on Infrared Colors and the 8 μm PAH Emission in Galaxies”

“Warm and Cold Molecular Gas in Galaxies”

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“SINGS Imaging of NGC 7331: A Panchromatic View of a Ringed Galaxy”

“Mid-Infrared IRS Spectroscopy of NGC 7331: A First Look at the SINGS Legacy”

“[O I] 63 μm Emission from High and Low Luminosity AGN Galaxies”

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“An Optical Survey of the Position Error Contours of Unidentified High Energy Gamma-ray Sources at Galactic Latitude |b| > 20°”

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   “Signatures of Galaxy-Cluster Interactions: Tully-Fisher Observations at $z \sim 0.1$”

   “The Bi-Variate Luminosity-Color Distribution of IRAS Galaxies, and Implications for the
   High Redshift Universe”

   “Infrared Emission of Normal Galaxies from 2.5 to 12$\mu$m: Spectra, Near-Infrared Continuum
   and Mid-Infrared Emission Features”

   “The Infrared Spectral Energy Distribution of Normal Star-Forming Galaxies: Calibration
   at Far-Infrared and Submillimeter Wavelengths”

   Journal*, 573, 66
   “Optically faint counterparts to the ISO-FIRBACK 170 $\mu$m population: the discovery of
cold, luminous galaxies at high redshift”

   “ISO-LWS observations of the two nearby spiral galaxies: NGC 6946 and NGC 1313”

   “Far-Infrared Spectroscopy of Normal Galaxies: Physical Conditions in the Interstellar
   Medium”

   Journal*, 122, 1736
   “Multiwavelength Observations of the Low Metallicity Blue Compact Dwarf Galaxy SBS
   0335-052”

   Journal*, 121, 1886
   “Signatures of Galaxy-Cluster Interactions: Spiral Galaxy Rotation Curve Asymmetry,
   Shape, and Extent”

   “Gravitational Lensing by Nearby Clusters of Galaxies”

   Journal Letters*, 548, L73
   “Evidence for the Heating of Atomic Interstellar Gas by Polycyclic Aromatic Hydrocarbons”

17. Hunter, D., Kaufman, M., Hollenbach, D., Rubin, R., Malhotra, S., Dale, D., Brauher, J.,
   “The Interstellar Medium of Irregular Galaxies: The View with ISO”

   Journal*, 549, 215
   “The Infrared Spectral Energy Distribution of Normal Star-Forming Galaxies”
   “Signatures of Interstellar-Intracluster Medium Interactions: Spiral Galaxy Rotation Curves in Abell 2029”

   “ISO Mid-Infrared Observations of Normal Star-Forming Galaxies: The Key Project Sample”

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   “No Hubble Bubble in the Local Universe”

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   “Surface and Bulk Modulation in Photoreflectance from Undoped GaAs”

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